

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P32927-P0	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/JP2004/012246	International filing date (day/month/year) 19.08.2004	Priority date (day/month/year) 29.08.2003
International Patent Classification (IPC) or national classification and IPC H03M13/15		
Applicant MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		

1.	This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2.	This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.
3.	This report is also accompanied by ANNEXES, comprising: <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> (sent to the applicant and to the International Bureau) a total of <u>5</u> sheets, as follows: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). <input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).
4.	This report contains indications relating to the following items: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Box No. I Basis of the report <input type="checkbox"/> Box No. II Priority <input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability <input type="checkbox"/> Box No. IV Lack of unity of invention <input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement <input type="checkbox"/> Box No. VI Certain documents cited <input type="checkbox"/> Box No. VII Certain defects in the international application <input type="checkbox"/> Box No. VIII Certain observations on the international application

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

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Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following _____ which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-23 _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the claims:
- nos. 3, 4, 6, 7, 12-14 _____ as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* 1, 8 _____ received by this Authority on 29.06.2005
- nos.* _____ received by this Authority on _____
- ☒ the drawings:
- sheets 1-15 _____ as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☒ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☒ the claims, nos. 2, 5, 9-11 _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	<u>1, 3, 4, 6-8, 12-14</u>	YES
	Claims	<u></u>	NO
Inventive step (IS)	Claims	<u>1, 3, 4, 6-8, 12-14</u>	YES
	Claims	<u></u>	NO
Industrial applicability (IA)	Claims	<u>1, 3, 4, 6-8, 12-14</u>	YES
	Claims	<u></u>	NO
2. Citations and explanations (Rule 70.7)			
Document 1: JP 2001-23316 A (Hitachi, Ltd.), 26 January 2001, entire text; all drawings			
Document 2: JP 2001-292066 A (Sanyo Electric Co., Ltd.), 19 October 2001, paragraphs [0001] to [0035]; fig. 17 to 25 & US 2001/0014960 A1 & CA 1318836 A			
Claims 1 to 14			
<p>Document 1 cited in the international search report sets forth an error detection device which simultaneously carries out error correction and error detection on object code strings made up of a plurality of sectors comprising matrix-shaped data, having a means of updating calculation results of an error detection code calculation based on error correction results. Document 1 also indicates that scrambling caused by calculation results of the updated error detection codes is removed.</p>			
<p>In addition, document 2 cited in the international search report (see in particular the section relating to [fig. 23]) sets forth a object code string made up of a plurality of sectors comprising matrix-shaped data,</p>			

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Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

having a means which carries out an offset calculation (corresponding to the "skip calculation" of this application) when inputting in a discontinuous arrangement (PO direction).

However, documents 1 and 2 neither disclose nor suggest the features unique to this application, wherein "the aforementioned error detection code skip calculation circuit inputs the object code string error detection signal inputted up until the previous occasion, and of these object code strings", "in the final line of the aforementioned sector, performs an individual skip calculation which skips the number of bytes according to the string position in which said data exists, and said individual skip calculation uses on a number of occasions the calculation results of the skip calculation which is carried out at a specific string position among string positions where the aforementioned data exists."